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CITEL AMERICA INC
 10108 USA Today Way
 Miramar, FL 33025 USA

E326289

Legacy requirements, Effective until June 28, 2019

Cat No.	SPD Type	Volts (V)	AC/DC/DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
DS100PV-600	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DS100PVS-600	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DS150E-120	4CA	120	AC	1	N/A	-35	60	L-G	-	1390	150	N/A	20	N/A	1
DS150E-300	4CA	277	AC	3Y	N/A	-35	60	L-G	-	1720	330	N/A	20	N/A	1
DS150E-480	4CA	480	AC	3D	N/A	-35	60	L-G	-	2320	550	N/A	20	N/A	1
DS151E-120	4CA	120	AC	1	N/A	-35	60	L-G	-	1390	150	N/A	20	N/A	1
DS151E-300	4CA	277	AC	3Y	N/A	-35	60	L-G	-	1720	330	N/A	20	N/A	1
DS151E-480	4CA	480	AC	3D	N/A	-35	60	L-G	-	2320	550	N/A	20	N/A	1
DS152E-120	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	2780 1390	300 150	- N/A	20	N/A	1
DS152E-300	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-G	- -	3440 1720	660 330	- N/A	20	N/A	1
DS152E-480	4CA	480	AC	3D	N/A	-35	60	L-L L-G	- -	4640 2320	1100 550	- N/A	20	N/A	1
DS153E-120	4CA	208/120	AC	3Y	N/A	-35	60	L-L L-G	- -	2780 1390	300 150	- N/A	20	N/A	1
DS153E-300	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-G	- -	3440 1720	660 330	- N/A	20	N/A	1
DS153E-480	4CA	480	AC	3D	N/A	-35	60	L-L L-G	- -	4640 2320	1100 550	- N/A	20	N/A	1
DS154E-120	4CA	208/120	AC	3Y	N/A	-35	60	L-L L-G	- -	2780 1390	300 150	- N/A	20	N/A	1
DS154E-300	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-G	- -	3440 1720	660 330	- N/A	20	N/A	1
DS154E-480	4CA	480	AC	3D	N/A	-35	60	L-L L-G	- -	4640 2320	1100 550	- N/A	20	N/A	1
DS215-120	4CA	240/120	AC	1S	n/a	-35	60	L-L L-G	- -	960 600	300 150	n/a n/a	5	n/a	1
DS215-120 /G	4CA	240/120	AC	1S	n/a	-35	60	L-N L-G N-G	- - -	520 1380 1360	150 150 255	n/a n/a n/a	5	n/a	1
DS215-230	4CA	400/230	AC	3Y	n/a	-35	60	L-L L-G	- -	1500 870	510 255	n/a n/a	5	n/a	1
DS215-230/G	4CA	400/230	AC	3Y	n/a	-35	60	L-N L-G N-G	- - -	800 1370 1270	255 255 255	n/a n/a n/a	5	n/a	1
DS215-400	4CA	400/230	AC	3Y	n/a	-35	60	L-L	-	2350	600	n/a	5	n/a	1

								L-G	-	1330	400	n/a			
DS215S-120	4CA	240/120	AC	1S	n/a	-35	60	L-L L-G	- -	960 600	300 150	n/a n/a	5	n/a	1
DS215S-120/G	4CA	240/120	AC	1S	n/a	-35	60	L-N L-G N-G	- - -	520 1380 1360	150 150 255	n/a n/a n/a	5	n/a	1
DS215S-230	4CA	400/230	AC	3Y	n/a	-35	60	L-L L-G	- -	1500 870	510 255	n/a n/a	5	n/a	1
DS215S-230/G	4CA	400/230	AC	3Y	n/a	-35	60	L-N L-G N-G	- - -	800 1370 1270	255 255 255	n/a n/a n/a	5	n/a	1
DS215S-400	4CA	400/230	AC	3Y	n/a	-35	60	L-L L-G	- -	2350 1330	600 400	n/a n/a	5	n/a	1
DS220-12DC	4CA	12	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	590 510 510	24 24 24	n/a n/a n/a	10	n/a	1
DS220-24DC	4CA	24	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	580 560 490	38 38 38	n/a n/a n/a	10	n/a	1
DS220S-12DC	4CA	12	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	590 510 510	24 24 24	n/a n/a n/a	10	n/a	1
DS220S-24DC	4CA	24	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	580 560 490	38 38 38	n/a n/a n/a	10	n/a	1
DS230-48DC	4CA	48	DC	-	n/a	-30	85	DC+- DC- DC+- G DC--G	- - - - -	710 540 560	65 65 65	n/a n/a n/a	10	n/a	1
DS230S-48DC	4CA	48	DC	-	n/a	-30	85	DC+- DC- DC+- G DC--G	- - - - -	710 540 560	65 65 65	n/a n/a n/a	10	n/a	1
DS240-120	4CA	240/120	AC	1S	n/a	-35	60	L-L L-G	- -	2010 1580	300 150	n/a n/a	20	n/a	1
DS240-120/G	4CA	240/120	AC	1S	n/a	-35	60	L-N L-G N-G	- - -	1460 1890 1340	150 150 255	n/a n/a n/a	20	n/a	1
DS240-130DC	4CA	130	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	1720 1320 1280	180 180 180	n/a n/a n/a	20	n/a	1
DS240-230	4CA	400/230	AC	3Y	n/a	-35	60	L-L L-G	- -	2710 1950	510 255	n/a n/a	20	n/a	1
DS240-230/G	4CA	400/230	AC	3Y	n/a	-35	60	L-N L-G N-G	- - -	1790 2240 1480	255 255 255	n/a n/a n/a	20	n/a	1
DS240-400	4CA	400/230	AC	3Y	n/a	-35	60	L-L L-G	- -	3740 2410	600 400	n/a n/a	20	n/a	1
DS240-75DC	4CA	75	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	1520 1370 1360	100 100 100	n/a n/a n/a	20	n/a	1
DS240S-120	4CA	240/120	AC	1S	n/a	-35	60	L-L L-G	- -	2010 1580	300 150	n/a n/a	20	n/a	1
DS240S-120/G	4CA	240/120	AC	1S	n/a	-35	60	L-N L-G N-G	- - -	1460 1890 1340	150 150 255	n/a n/a n/a	20	n/a	1
DS240S-130DC	4CA	130	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	1720 1320 1280	180 180 180	n/a n/a n/a	20	n/a	1
DS240S-230	4CA	400/230	AC	3Y	n/a	-35	60	L-L L-G	- -	2710 1950	510 255	n/a n/a	20	n/a	1
DS240S-230/G	4CA	400/230	AC	3Y	n/a	-35	60	L-N L-G N-G	- - -	1790 2240 1480	255 255 255	n/a n/a n/a	20	n/a	1
DS240S-400	4CA	400/230	AC	3Y	n/a	-35	60	L-L	-	3740	600	n/a	20	n/a	1

								L-G	-	2410	400	n/a			
DS240S-75DC	4CA	75	DC	-	n/a	-35	85	DC+- DC- DC+- G DC--G	-	1520 1370 1360	100 100 100	n/a n/a n/a	20	n/a	1
DS250VG-120	4CA	120	AC	1	N/A	-35	60	L-G	-	1580	150	N/A	20	N/A	1
DS250VG-300	4CA	277	AC	3Y	N/A	-35	60	L-G	-	1820	330	N/A	20	N/A	1
DS251VG-120	4CA	120	AC	1	N/A	-35	60	L-G	-	1580	150	N/A	20	N/A	1
DS251VG-300	4CA	277	AC	3Y	N/A	-35	60	L-G	-	1820	330	N/A	20	N/A	1
DS252C-48DC/G	1CA	480	DC	-	n/a	-40	85	DC+- DC- DC+- G DC--G	330 1200 1200	- - -	75 75 75	- - -	20	10	1
DS252VG-120	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	3160 1580	300 150	- N/A	20	N/A	1
DS252VG-300	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-G	- -	3640 1820	660 330	- N/A	20	N/A	1
DS253VG-120	4CA	208/120	AC	3Y	N/A	-35	60	L-L L-G	- -	3160 1580	300 150	- N/A	20	N/A	1
DS253VG-300	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-G	- -	3640 1820	660 330	- N/A	20	N/A	1
DS254VG-120	4CA	208/120	AC	3Y	N/A	-35	60	L-L L-G	- -	3160 1580	300 150	- N/A	20	N/A	1
DS254VG-300	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-G	- -	3640 1820	660 330	- N/A	20	N/A	1
DS40-120%	4CA	120	AC	1	N/A	-35	60	L-G	-	1240	150	N/A	20	N/A	2
DS40-230%	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	20	N/A	2
	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2
DS40-280%	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	20	N/A	2
	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2
DS40-320%	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	20	N/A	2
	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	10	N/A	2
DS40-400 @	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DS40-60%	4CA	120	AC	1	N/A	-35	60	L-G	-	1240	150	N/A	20	N/A	2
DS40-690%	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DS40G-600	4CA	0	AC	1	N/A	-35	60	N-G	-	1170	255	N/A	20	N/A	2
DS41-120%	4CA	120	AC	1	N/A	-35	60	L-G	-	1240	150	N/A	20	N/A	2
DS41-230%	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	20	N/A	2
	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2
DS41-280%	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	20	N/A	2
	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2
DS41-320%	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	20	N/A	2
	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	10	N/A	2
DS41-400@	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DS41-690%	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DS41S-120%	4CA	120	AC	1	N/A	-35	60	L-G	-	1240	150	N/A	20	N/A	2
DS41S-230%	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	20	N/A	2
	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2
DS41S-280%	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	20	N/A	2
	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2

DS41S-320%	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	20	N/A	2
	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	10	N/A	2
DS41S-400%	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DS41S-48DC	4CA	48	DC	-	n/a	-30	85	DC+- DC- DC+- G DC--G	- - - - -	710 540 560	65 65 65	n/a n/a n/a	10	n/a	1
DS41S-60%	4CA	120	AC	1	N/A	-35	60	L-G	-	1240	150	N/A	20	N/A	2
DS41S-690%	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DS42-120%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	1960 1240	300 150	- N/A	20	N/A	2
DS42-230%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2
DS42-280%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS42-320%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	20	N/A	2
	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	10	N/A	2
DS42-400 @	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	n/a N/A	10	N/A	2,4
DS42-690%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	10	N/A	2
DS42S 120/G%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-N L-G N-G	- - - -	1702 1040 1690 1090	300 150 150 255	- N/A - -	20	N/A	2
DS42S 230/G%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	2330 1970 2320 1060	480 275 275 255	- N/A - -	20	N/A	2
DS42S 320/G%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	2720 1590 2280 1170	600 320 320 255	- N/A - -	20	N/A	2
DS42S 400/G%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	3890 2550 2780 1140	680 420 420 255	- N/A - -	20	N/A	2
DS42S-120%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	1960 1240	300 150	- N/A	20	N/A	2
DS42S-230%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS42S-280%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- -	n/a	n/a	-
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	1
DS42S-320%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	20	N/A	2
	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	10	N/A	2
DS42S-400 @	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	n/a N/A	20	N/A	2,4
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	10	N/A	2
DS42S-48DC	4CA	48	DC	-	n/a	-30	85	DC+- DC- DC+- G DC--G	- - - - -	710 540 560	65 65 65	n/a n/a n/a	10	n/a	1

DS42S-690%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	10	N/A	2
DS43-120%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	1960 1240	300 150	- N/A	20	N/A	2
DS43-230%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS43-280%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS43-320%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	20	N/A	2
	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	10	N/A	2
DS43-400 @	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	n/a N/A	10	N/A	2,4
DS43-690%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	10	N/A	2
DS43S 120/G%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-N L-G N-G	- - - -	1702 1040 1690 1090	300 150 150 255	- N/A - -	20	N/A	2
DS43S 230/G%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	2330 1970 2320 1060	480 275 275 255	- N/A - -	20	N/A	2
DS43S 320/G%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	2720 1590 2280 1170	600 320 320 255	- N/A - -	20	N/A	2
DS43S 400/G%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	3890 2550 2780 1140	680 420 420 255	- N/A - -	20	N/A	2
DS43S-120%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	1960 1240	300 150	- N/A	20	N/A	2
DS43S-230%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS43S-280%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS43S-320%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	20	N/A	2
	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	10	N/A	2
DS43S-400 @	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	n/a N/A	10	N/A	2,4
DS43S-690%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	10	N/A	2
DS44-120%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	1960 1240	300 150	- N/A	20	N/A	2
DS44-230%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS44- 240/M%	4CA	240	AC	3D	N/A	-35	60	L-L L-G	- -	1960 1960	300 300	- N/A	20	N/A	2

DS44-280%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS44-320%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	20	N/A	2
	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	10	N/A	2
DS44-400 @	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	n/a N/A	10	N/A	2,4
DS44-690%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	10	N/A	2
DS44S 120/G%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-N L-G N-G	- - - -	1700 1040 1690 1090	300 150 150 255	- N/A - -	20	N/A	2
DS44S 230/G%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	2330 1970 2320 1060	480 275 275 255	- N/A - -	20	N/A	2
DS44S 280/G%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	2330 1970 2320 1060	480 275 275 255	- N/A - -	20	N/A	2
DS44S 320/G%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	2720 1590 2280 1170	600 320 320 255	- N/A - -	20	N/A	2
DS44S 400/G%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N L-G N-G	- - - -	3890 2550 2780 1140	680 420 420 255	- N/A - -	20	N/A	2
DS44S-120%	4CA	240/120	AC	1S	N/A	-35	60	L-L L-G	- -	1960 1240	300 150	- N/A	20	N/A	2
DS44S-230%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS44S- 240/M%	4CA	240	AC	3D	N/A	-35	60	L-L L-G	- -	1960 1960	300 300	- N/A	20	N/A	2
DS44S-280%	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	20	N/A	2
	4CA	400/230	AC	3Y	N/A	-35	60	L-L L-G	- -	2730 1600	480 275	- N/A	10	N/A	2
DS44S-320%	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	20	N/A	2
	4CA	415/240	AC	3Y	N/A	-35	60	L-L L-G	- -	2930 1770	600 320	- N/A	10	N/A	2
DS44S-400 @	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	n/a N/A	10	N/A	2,4
DS44S-690%	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	20	N/A	2
	4CA	480/277	AC	3Y	N/A	-35	60	L-L L-N	- -	3890 2550	680 420	- N/A	10	N/A	2
DS500VG- 120	4CA	120	AC	1	N/A	-35	60	L-G	-	1580	150	N/A	20	N/A	1
DS500VG- 300	4CA	277	AC	1	N/A	-35	60	L-G	-	1820	330	N/A	20	N/A	1
DS50PV- 1000/G	4CA	1000	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	3730 3300 3280	1060 1060 1060	n/a n/a n/a	20	n/a	1
DS50PV- 1000/SG#	4CA	1000	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	3740 3320 3200	1300 1300 1300	n/a n/a n/a	20	n/a	1

DS50PV-500#	4CA	500	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	3400 2040 2040	530 530 530	n/a n/a n/a	20	n/a	1
DS50PV-500/G	4CA	1000	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	3740 3320 3200	1300 1300 1300	n/a n/a n/a	20	n/a	1
DS50PV-800#	4CA	800	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	2920 3040 3050	840 840 840	n/a n/a n/a	20	n/a	1
DS50PV-800/G	4CA	800	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	2910 3030 2930	840 840 840	n/a n/a n/a	20	n/a	1
DS50PVS-1000/G	4CA	1000	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	3730 3300 3280	1060 1060 1060	n/a n/a n/a	20	n/a	1
DS50PVS-1000/SG#	4CA	1000	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	3740 3320 3200	1300 1300 1300	n/a n/a n/a	20	n/a	1
DS50PVS-500#	4CA	500	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	3400 2040 2040	530 530 530	n/a n/a n/a	20	n/a	1
DS50PVS-500/G	4CA	500	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	2750 2530 2470	530 530 530	n/a n/a n/a	20	n/a	1
DS50PVS-800#	4CA	800	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	2920 3040 3050	840 840 840	n/a n/a n/a	20	n/a	1
DS50PVS-800/G	4CA	800	DC PV	-	n/a	-35	60	DC+- DC- DC+- G DC--G	- - - - -	2910 3030 2930	840 840 840	n/a n/a n/a	20	n/a	1
DS50VGPV-1000G/51	4CA	1000	DC PV	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	5340 3530 3540	1200 1200 1200	n/a n/a n/a	20	n/a	1
DS50VGPV-1500G/51	1CA	1500	DC PV	-	n/a	0	85	DC+- DC- DC+- G DC--G	5000 3000 3000	- - -	1500 1500 1500	- - -	10	50	1
DS50VGPVS-1000G/51	4CA	1000	DC PV	-	n/a	-35	85	DC+- DC- DC+- G DC--G	- - - - -	5340 3530 3540	1200 1200 1200	n/a n/a n/a	20	n/a	1
DS50VGPVS-1500G/51	1CA	1500	DC PV	-	n/a	0	85	DC+- DC- DC+- G DC--G	5000 3000 3000	- - -	1500 1500 1500	- - -	10	50	1
DS70R-120	4CA	120	AC	1	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
DS70R-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
DS70U-150	4CA	120	AC	1	n/a	-	85	Ld-Ld	-	1100	150	n/a	20	n/a	2
DS70U-210	2CA	120	AC	1	n/a	-	85	Ld-Ld	800	-	210	-	20	200	2
DS70U-275	2CA	120	AC	1	n/a	-	85	Ld-Ld	900	-	275	-	20	200	2
DS70U-320	4CA	240	AC	1	n/a	-	85	Ld-Ld	-	1500	320	n/a	20	n/a	2
DS70U-420	2CA	277	AC	1	n/a	-	85	Ld-Ld	1500	-	420	-	20	200	2
DS70U-460	2CA	347	AC	1	n/a	-	85	Ld-Ld	1500	-	460	-	20	200	2
DS70UG-600	2CA	0	AC	1	n/a	-	85	N-G	1000	-	255	-	20	0	2
DS71R-120	4CA	120	AC	1	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
DS71R-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2

DS71RS-120	4CA	120	AC	1	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
DS71RS-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
DS71RS-48DC	4CA	48	DC	-	n/a	-30	85	DC+- DC- DC+- G DC--G	- - - -	710 540 560	65 65 65	n/a n/a n/a	10	n/a	1
DS71U-150	4CA	120	AC	1	n/a	-	85	L-G L-G	- -	1100 1100	150 150	n/a n/a	20	n/a	2
DS71U-320	4CA	240	AC	1	n/a	-	85	L-G L-G	- -	1500 1500	320 320	n/a n/a	20	n/a	2
DS71US-150	4CA	120	AC	1	n/a	-	85	L-G L-G	- -	1100 1100	150 150	n/a n/a	20	n/a	2
DS71US-320	4CA	240	AC	1	n/a	-	85	L-G L-G	- -	1500 1500	320 320	n/a n/a	20	n/a	2
DS72R-120	4CA	120	AC	1S	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
	4CA	240	AC	1S	N/A	-35	60	L-L	-	1180	300	N/A	20	N/A	2
DS72R-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DS72RS-120	4CA	120	AC	1S	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
	4CA	240	AC	1S	N/A	-35	60	L-L	-	1180	300	N/A	20	N/A	2
DS72RS-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DS72RS-48DC	4CA	48	DC	-	n/a	-30	85	DC+- DC- DC+- G DC--G	- - - -	710 540 560	65 65 65	n/a n/a n/a	10	n/a	1
DS73R-120	4CA	120	AC	1S	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
	4CA	240	AC	1S	N/A	-35	60	L-L	-	1180	300	N/A	20	N/A	2
DS73R-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DS73RS-120	4CA	120	AC	1S	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
	4CA	240	AC	1S	N/A	-35	60	L-L	-	1180	300	N/A	20	N/A	2
DS73RS-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DS74R-120	4CA	120	AC	1S	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
	4CA	240	AC	1S	N/A	-35	60	L-L	-	1180	300	N/A	20	N/A	2
DS74R-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DS74RS-120	4CA	120	AC	1S	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
	4CA	240	AC	1S	N/A	-35	60	L-L	-	1180	300	N/A	20	N/A	2
DS74RS-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
	4CA	240	AC	1	N/A	-35	60	L-L	-	1900	480	N/A	20	N/A	2
DSM100PV-600	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
DSM40-120%	4CA	120	AC	1	N/A	-35	60	L-G	-	1240	150	N/A	20	N/A	2
DSM40-230%	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	20	N/A	2
	4CA	230	AC	3Y	N/A	-35	60	L-G	-	1600	275	N/A	10	N/A	2
DSM40-320%	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	20	N/A	2
	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	10	N/A	2
DSM40-400@	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DSM40-60%	4CA	120	AC	1	N/A	-35	60	L-G	-	1240	150	N/A	20	N/A	2
DSM40-690%	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DSM40G-600	4CA	0	AC	1	N/A	-35	60	N-G	-	1170	255	N/A	20	N/A	2

DSM50PV-1000%	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DSM50PV-500%	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	20	N/A	2
	4CA	277	AC	3Y	N/A	-35	60	L-N	-	2550	420	N/A	10	N/A	2
DSM50PV-800%	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	20	N/A	2
	4CA	240	AC	3Y	N/A	-35	60	L-G	-	1770	320	N/A	10	N/A	2
DSM70R-120	4CA	120	AC	1	N/A	-35	60	L-G	-	860	150	N/A	20	N/A	2
DSM70R-230	4CA	240	AC	1	N/A	-35	60	L-G	-	1150	275	N/A	20	N/A	2
DSM80G-600	4CA	0	AC	1	N/A	-35	60	N-G	-	1170	255	N/A	20	N/A	2
MSB10-120	4CA	277	AC	1	n/a	-35	85	L-L L-G L-N	- - -	780 1330 1340	300 300 300	n/a n/a n/a	3	n/a	1
MSB10-400	4CA	277	AC	1	n/a	-35	85	L-L L-G L-N	- - -	780 1330 1340	300 300 300	n/a n/a n/a	3	n/a	1
MSB10-400/TB	4CA	277	AC	1	n/a	-35	85	L-L L-G L-N	- - -	780 1330 1340	300 300 300	n/a n/a n/a	3	n/a	1
MSB10-480	4CA	480/277	AC	3Y	n/a	-35	85	L-N L-G N-G	- - -	1760 1750 1730	550 550 550	n/a n/a n/a	3	n/a	1
	4CA	480	AC	3D	n/a	-35	85	L-L L-G	- -	1760 1750	550 550	n/a n/a	3	n/a	1
N-G															
DS100EG-600	4CA	240	AC	1	n/a	-35	85	N-G	-	1400	255	n/a	20	n/a	1
Gas Tube															
BH 1000	5	277	AC	1	N/A	-35	60	Ld-Ld	-	2080	500	N/A	10	N/A	1,3
BH 1400	5	480	AC	1	N/A	-35	60	Ld-Ld	-	2640	640	N/A	10	N/A	1,3
BH 1500	5	600	AC	1	N/A	-35	60	Ld-Ld	-	2500	660	N/A	10	N/A	1,3
BH 300	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2610	140	N/A	20	N/A	1,3
BH 350	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2620	165	N/A	20	N/A	1,3
BH 420	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2620	200	N/A	20	N/A	1,3
BH 470	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2060	220	N/A	10	N/A	1,3
BH 500	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2060	240	N/A	10	N/A	1,3
BH 700	5	240	AC	1	N/A	-35	60	Ld-Ld	-	2070	350	N/A	10	N/A	1,3
BH 800	5	277	AC	1	N/A	-35	60	Ld-Ld	-	2070	380	N/A	10	N/A	1,3
BHS 1000	5	277	AC	1	N/A	-35	60	Ld-Ld	-	2080	500	N/A	10	N/A	1,3
BHS 1400	5	480	AC	1	N/A	-35	60	Ld-Ld	-	2640	640	N/A	10	N/A	1,3
BHS 1500	5	600	AC	1	N/A	-35	60	Ld-Ld	-	2500	660	N/A	10	N/A	1,3
BHS 300	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2610	140	N/A	20	N/A	1,3
BHS 350	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2620	165	N/A	20	N/A	1,3
BHS 420	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2620	200	N/A	20	N/A	1,3
BHS 470	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2060	220	N/A	10	N/A	1,3
BHS 500	5	120	AC	1	N/A	-35	60	Ld-Ld	-	2060	240	N/A	10	N/A	1,3
BHS 700	5	240	AC	1	N/A	-35	60	Ld-Ld	-	2070	350	N/A	10	N/A	1,3
BHS 800	5	277	AC	1	N/A	-35	60	Ld-Ld	-	2070	380	N/A	10	N/A	1,3
BHS-2500	5	480	AC	1	n/a	-35	85	Ld-Ld	-	7780	480	n/a	10	n/a	1,3
BH@3100	5	600	AC	1	n/a	0	85	Ld-Ld	-	6320	600	n/a	10	n/a	1

Notes:

1. Suitable for Factory wiring only.
2. Suitable for Field and Factory wiring.
3. Series External Impedance required, see Electrical Ratings in the Recognition report.
4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.

5. Body of discrete component metal-oxide varistors (MOVs) flammability:

- a) Min. V-0 or VTM-0.
- b) Min. V-1 or VTM-1.
- c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.
- d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise or with an Outdoor use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

- may be suffixed with ? DE.

% - May be followed by S

+ - L-G modes may also be labeled as L-N and N-G

-- L-L modes may also be labeled as L-N modes

@ - May be followed by ,CE, CP, EE, EP, or V.



Marking: Company name or tradename "Citel" or trademark  , model designation and the Recognized Component Mark for Canada,  on the product or on the smallest unit container in which the product is packaged.

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