

# Z-SERIES DARLINGTON MODULES



Type	Part Number	Ratings and Characteristics											Pkg. No.	
		Voltage Rating			Collector Current (cont.) I <sub>c</sub> (A)	Thermal Resistance R <sub>TH</sub> (J-C) °C/W(max)		DC Current Gain			Switching Times(max.)			
		V <sub>CB0</sub> (V)	V <sub>CE0</sub> (V)	V <sub>CEX(sus)</sub> (V)		h <sub>FE</sub> (min)	I <sub>c</sub> (A)	V <sub>CE</sub> (V)	t <sub>on</sub> μs	t <sub>s</sub> μs	t <sub>f</sub> μs			
Single 1000V	1DI200Z-100	1000	1000	1000	200	0.089	0.350	100	200	5	2.5	12.0	2.0	M106
	1DI300Z-100	1000	1000	1000	300	0.063	0.300	100	300	5	2.5	12.0	2.0	M106
Dual Darlington 1000V	2DI30Z-100	1000	1000	1000	30	0.400	1.500	100	30	5	2.5	12.0	2.0	M204
	2DI50Z-100	1000	1000	1000	50	0.310	1.200	100	50	5	2.5	12.0	2.0	M204
	2DI75Z-100	1000	1000	1000	75	0.250	1.200	100	75	5	2.5	12.0	2.0	M209
	2DI100Z-100	1000	1000	1000	100	0.156	0.650	100	100	5	2.5	12.0	2.0	M210
	2DI150Z-100	1000	1000	1000	150	0.125	0.600	100	150	5	2.5	12.0	2.0	M210
Single 1200V	1DI200Z-120	1200	1200	1200	200	0.089	0.350	100	200	5	3.0	15.0	2.0	M106
	1DI300Z-120	1200	1200	1200	300	0.063	0.300	100	300	5	3.0	15.0	2.0	M106
Dual Darlington 1200V	2DI30Z-120	1200	1200	1200	30	0.420	1.500	100	30	5	3.0	15.0	2.0	M204
	2DI50Z-120	1200	1200	1200	50	0.310	1.200	100	50	5	3.0	15.0	2.0	M204
	2DI75Z-120	1200	1200	1200	75	0.250	1.200	100	75	5	3.0	15.0	2.0	M209
	2DI100Z-120	1200	1200	1200	100	0.156	0.650	100	100	5	3.0	15.0	2.0	M210
	2DI150Z-120	1200	1200	1200	150	0.125	0.600	100	150	5	3.0	15.0	2.0	M210
Single 1400V	1DI200Z-140	1400	1400	1200	200	0.089	0.350	100	200	5	3.0	15.0	2.0	M106
	1DI300Z-140	1400	1400	1200	300	0.063	0.300	100	300	5	3.0	15.0	2.0	M106
Dual Darlington 1400V	2DI50Z-140	1400	1400	1200	50	0.310	1.200	100	50	5	3.0	15.0	2.0	M204
	2DI75Z-140	1400	1400	1200	75	0.250	1.200	100	75	5	3.0	15.0	2.0	M209
	2DI100Z-140	1400	1400	1200	100	0.156	0.650	100	100	5	3.0	15.0	2.0	M210
	2DI150Z-140	1400	1400	1200	150	0.125	0.600	100	150	5	3.0	15.0	2.0	M210
Pack Darlington 1000V/1200V	6DI30Z-100	1000	1000	1000	30	0.400	1.500	100	30	5	2.5	12.0	2.0	M613
	6DI30Z-120	1200	1200	1200	30	0.540	1.500	100	30	5	3.0	15.0	2.0	M606
	6DI50Z-120	1200	1200	1200	50	0.420	1.200	100	50	5	3.0	15.0	2.0	M606

