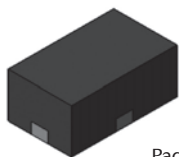


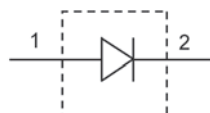
PIN Diode: Medium Power SPST Switch Element

- Broadband performance up to 0.8 GHz
- Low insertion loss
- Cost effective choice for switch applications

The Aeroflex / Metelics MSWSER-070-10 is a PIN diode SPST switch element designed for medium incident power applications, up to 80W C.W. It has low insertion loss.



Package 3023



MSWSER-070-10, TC = +25°C

Model	V _{BR}	V _F		C _T		R _S		T _L	R _P		I _L		I _L		I _{SO}		I _{SO}	
	MIN V	TYP mV	MAX mV	TYP pF	MAX pF	TYP Ω	MAX Ω	TYP nS	MIN Ω	TYP Ω	TYP dB	MAX dB	TYP dB	MAX dB	MIN dB	TYP dB	MIN dB	TYP dB
MSWSER-070-10	500	850	950	0.9	1.0	0.20	0.30	5000	20K	30K	0.1	0.2	0.15	0.30	14	16	8	10
Test Conditions	I _R = 10μA	I _F = 50mA		V _R = 50V F = 1 MHz		I _F = 100mA F = 100 MHz		I _F = 10mA I _R = 6mA Measured at 50%	V _R = 40V F = 0.5 GHz		I _F = 50mA F < 0.4 GHz		I _F = 50mA F < 8.0 GHz		V _R = 50V F < 0.4 GHz		V _R = 50V F < 8.0 GHz	

Maximum Ratings	Rating	Limits	Units
	V _R	500	V
	I _F	500	mA
	θ _{JC}	10	°C/W
	T _J	+175	°C
	T _{STG}	-55 to +150	°C
	T _{SOLDER}	+260°C per JEDEC J-STD-20C	