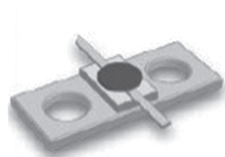


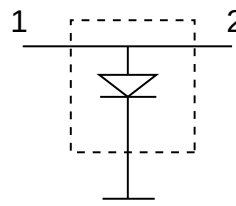
PIN Diode: Thermal to Ground Switch Element

- Low Insertion Loss <0.40 dB at 2.0 GHz
- Low Insertion Loss <0.85 dB at 6.0 GHz
- Medium Isolation >20 dB at 2.0 GHz
- Medium Isolation >10 dB at 6.0 GHz
- High Power Handling 150 watts

The Aeroflex / Metelics MEST²G-150-020-CM26 is an Electrical Series Thermal to Ground Series diode Switch Element in a bolt down Copper package. This part is designed for a reliable high power switch application up to 150 watts. Usable up to 10 GHz.



Package CM26



MEST²G-150-020-CM26, T_C = +25°C

Model	V _{BR}	I _R	V _F	R _S	T _L	VSWR		VSWR		I _L		I _L		I _{SO}		I _{SO}	
	MIN V	MAX nA	MAX mV	TYP Ω	TYP ns	TYP dB	MAX dB	TYP dB	MAX dB	TYP dB	MAX dB	TYP dB	MAX dB	MIN dB	TYP dB	MIN dB	TYP dB
MEST ² G-150-020-CM26	600	100	1850	1.8	1800	1.30:1	1.40:1	1.45:1	1.70:1	0.25	0.40	0.60	0.75	20.0	23	10.0	12.0
Test Conditions	I _R = 10μA	V _R = 100V	I _F = 50mA	I _F = 100mA; F = 100 MHz 2 Diodes	I _F = 10mA; I _R = 6mA Measured @ 50%	I _F = 100mA F < 2.0 GHz	I _F = 100mA F < 6.0 GHz	I _F = 100mA F < 2.0 GHz	I _F = 100mA F < 6.0 GHz	I _R = 10V F < 2.0 GHz	I _R = 10V F < 6.0 GHz	I _R = 10V F < 2.0 GHz	I _R = 10V F < 6.0 GHz	I _R = 10V F < 2.0 GHz	I _R = 10V F < 6.0 GHz	I _R = 10V F < 2.0 GHz	I _R = 10V F < 6.0 GHz

Maximum Ratings	Rating	Limits	Units
	V _R	600	V
	I _{FDC}	250	mA
	θ _{JC}	8	°C/W
	T _J	-40 to +175	°C
	T _{STG}	-55 to +150	°C
	T _{SOLDER}	+260°C per JEDEC J-STD-20C	