

EMC Pill Terminations, first patented in 1967 (patent 3,354,412), feature solderless construction. The resistive rod element is staked into the case forming a highly reliable compression fit. The result is a superior product which is unaffected by subsequent high temperature manufacturing processes. EMC offers a low cost pill termination, using a thin film chip design with a maximum VSWR of 1.065 from DC to 26 GHz.

### General Specifications

Impedance	50 Ohms ± 5%
Frequency Range	DC to 26.5 GHz
VSWR	1.30 Max
Power Rating	.1 to 3 Watts
Peak Power Rating	100 Watts*
Power Derating	100% @ 125° C Derates to 0% @ 150° C
Operating Temperature	-55° C to 150° C

### Material Specifications

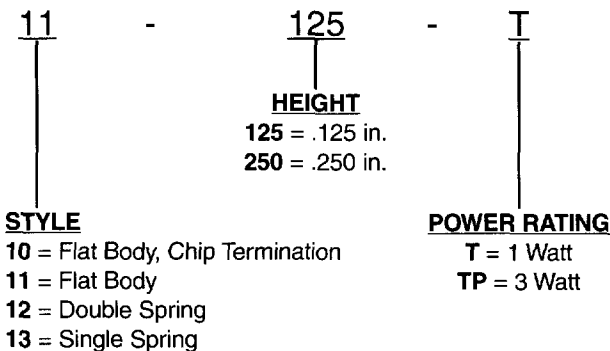
Resistor Element	Thin Film
Substrate	Alumina
Body	Brass
Tab	Beryllium Copper
Spring	Beryllium Copper

#### Finish

Body	Gold Plated
Tab	Gold Plated
Spring	Gold Plated

\* Peak Power is based on 100 microsecond pulse width and 0.1% duty cycle.

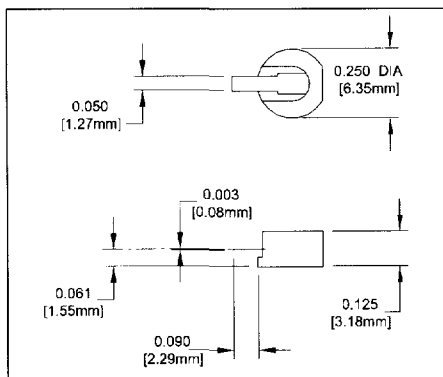
### Ordering Information



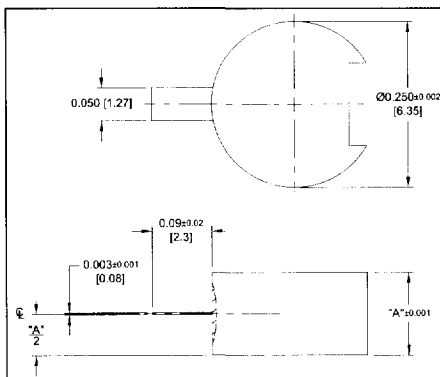
Power Rating (W) @ 25°C	Spring	Maximum Peak Power (W)	"A" Thickness In. (mm)	Part Number
1	None	10	0.125 (3.18)	10-125-T
1	None	100	0.125 (3.18)	11-125-T
1	None	100	0.250 (6.35)	11-250-T
1	Double	100	0.125 (3.18)	12-125-T
1	Double	100	0.250 (6.35)	12-250-T
1	Single	100	0.125 (3.18)	13-125-T
1	Single	100	0.250 (6.35)	13-250-T
3	None	100	0.125 (3.18)	11-125-TP
3	None	100	0.250 (6.35)	11-250-TP
3	Double	100	0.125 (3.18)	12-125-TP
3	Double	100	0.250 (6.35)	12-250-TP
3	Single	100	0.125 (3.18)	13-125-TP
3	Single	100	0.250 (6.35)	13-250-TP

\* Peak power based on 100ms pulse width and 0.1% duty cycle.

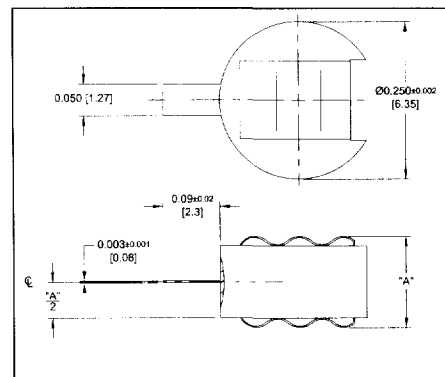
**Model**  
**10-125-TC**  
**Flat Body, Chip Termination**



**Models**  
**11-125-T, TP and 11-250-T, TP**  
**Flat Body (No Spring)**



**Models**  
**12-125-T, TP and 12-250-T, TP**  
**Double Spring**



**Models**  
**13-125-T, TP and 13-250-T, TP**  
**Single Spring**

