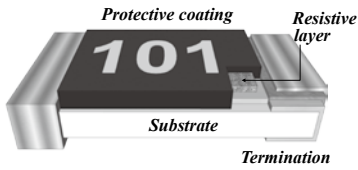


## High Ohmic Lead Free Chip Resistors



### FEATURES

- Small size and light weight with size range per int'l standard.
- Highly stable in auto-placement surface mounting application.
- Compatible with flow and reflow soldering.
- RoHS compliant & Halogen Free.

### APPLICATION

- Medical equipment.
- Printer.
- Automotive industry.
- Converter.
- Power supply in small size.

### PART NUMBER

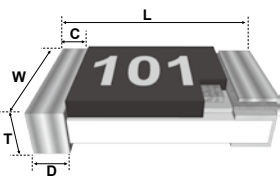
FHF	12	J	T	-	104_	TCR	Special Code
Type □□□	Size □□	Tolerance □	Packing □	Watt □	R Value □□□□		
<b>FHF</b> Thick Film High Ohmic	<b>02</b> 0402 <b>03</b> 0603 <b>05</b> 0805 <b>06</b> 1206	<b>F</b> = ±1% <b>J</b> = ±5%	<b>T</b> = Paper tape – 5 Kpcs <b>V</b> = Paper tape – 10 Kpcs <b>W</b> = Paper tape – 20 Kpcs	"-" Standard	<b>XXXX</b>  <b>&gt;=1R</b> <b>1%</b> 4 digit <b>5%</b> 3 digit ("_" means a blank)	No special code- Null special code- "-"	"Null" Standard

### RATING

Type	Normal Type Power Rating @ 70°C	Max. RCWW	Max. Overload Voltage	Resistance Tolerance (%)	Temperature Coefficient of Resistance (TCR; ppm/°C)	Resistance Range		Standard Resistance Values
						Min.	Max.	
<b>FHF02 0402</b>	1/16W	50V	100V	±1%(F) ±5%(J)	±300	11MΩ	30MΩ	E-24
<b>FHF03 0603</b>	1/10W	50V	100V	±1%(F) ±5%(J)	±200	11MΩ	22MΩ	
<b>FHF05 0805</b>	1/8W	150V	300V	±1%(F) ±5%(J)	±200	11MΩ	22MΩ	E-12
<b>FHF06 1206</b>	1/4W	200V	400V	±1%(F) ±5%(J)	±200	11MΩ	22MΩ	

Note :  
 (1) RCWW =  $(P \times R)^{1/2}$  or Max. RCWW listed above, whichever is lower.  
 RCWW : Rated Continue Working Voltage(V) · P : Rated Power(W) · R : Resistance Value(Ω)

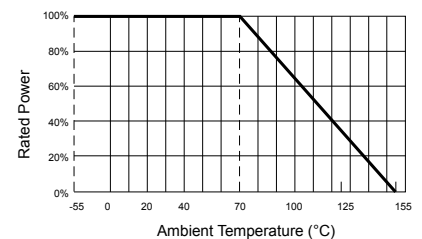
### DIMENSIONS



Type 1	L	W	C	D	T
FHF02	1.00±0.05	0.50±0.05	0.20±0.10	0.25±0.10	0.35±0.05
FHF03	1.60±0.10	0.80±0.10	0.30±0.20	0.30±0.20	0.45±0.10
FHF05	2.00±0.10	1.25±0.10	0.40±0.20	0.40±0.20	0.50±0.10
FHF06	3.10±0.10	1.60±0.10	0.50±0.20	0.50±0.25	0.55±0.10

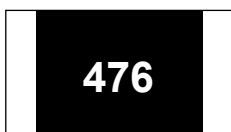
unit: mm

### POWER DE-RATING CURVE



### MARKING/SOLDERING

Each resistor is marked with a three digits code on the protective coating to designate the nominal resistance value.



3 digit marking for ±1% ±5%  
 examples :  
 306 = 30MΩ  
 476 = 47MΩ

MLCC

Chip R

Coil