

FCF ARRAY

Thick Film Lead Free Chip Resistor Networks

Features

- High density packaging provides higher productivity.
- Stable convex terminal reduces assembly costs.
- Compatible with flow and reflow soldering.
- RoHS compliant & Halogen Free.

Applications

- Computer.
- Mobile phone.
- Camcorder.
- Portable audio.
- Battery charger.
- Hard Disk Driver.

Part Number

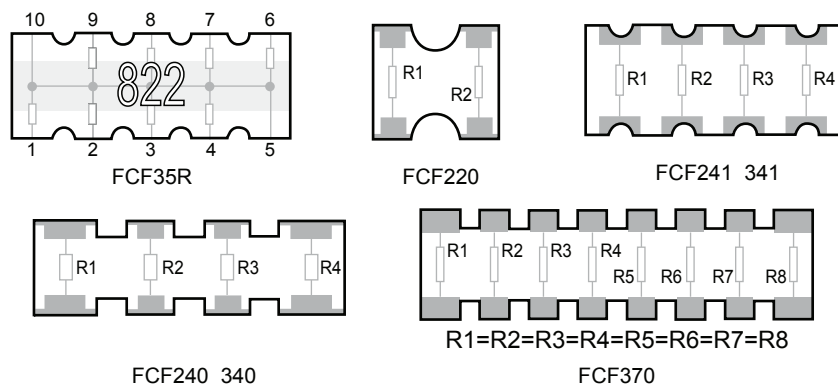
Type	Size	Tolerance	Packing	-	GM
FCF	220: 0402*2 240: 0402*4(Convex) 241: 0402*4(Concave) 320: 0603*2(Convex) 340: 0603*4(Convex) 341: 0603*4(Concave) 35R: 10P8R 370: 16P8R	F: ±1% J: ±5%	T: Paper tape – 5 Kpcs V: Paper tape – 10 Kpcs W: Paper tape – 20 Kpcs		473

Rating

Type	Size	Termination Constructio	Power Rating at 70°C	Max. RCWW	Max. Overload Voltage	Resistance Tolerance (%)	Temperature Coefficient (TCR; ppm/°C)	Resistance Range		Standard Resistance Values
								Min.	Max.	
FCF220	4P2R 0402*2	Convex	1/16W	25V	50V	±5%(J)	±300	0Ω, 10Ω	1MΩ	E-24
FCF240	8P4R 0402*4	Convex	1/16W	25V	50V	±5%(J) ±1%(F)	±300	0Ω, 10Ω 100Ω	1MΩ 1MΩ	E-24
FCF241	8P4R 0402*4	Concave	1/16W	25V	50V	±5%(J) ±1%(F)	±300	0Ω, 10Ω 10Ω	1MΩ 1MΩ	E-24
FCF320	4P2R 0603*2	Convex	1/10W	50V	100V	±5%(J) ±1%(F)	±200	0Ω, 10Ω	1MΩ	E-24
FCF340	8P4R 0603*4	Convex	1/10W	50V	100V	±5%(J) ±1%(F)	±200	0Ω, 10Ω	1MΩ	E-24
FCF341	8P4R 0603*4	Concave	1/10W	50V	100V	±5%(J)	±200	0Ω, 10Ω	1MΩ	E-24
FCF35R	10P8R	Convex	1/16W	25V	50V	±5%(J)	±200	10Ω	100KΩ	E-24
FCF370	16P8R	Convex	1/16W	25V	50V	±5%(J) ±1%(F)	±200	0Ω, 10Ω 10Ω	100KΩ 100KΩ	E-24

- Jumper: 8P4R size maximum resistance $R_{max} < 50m\Omega$ and rated current $I_R \leq 1A$

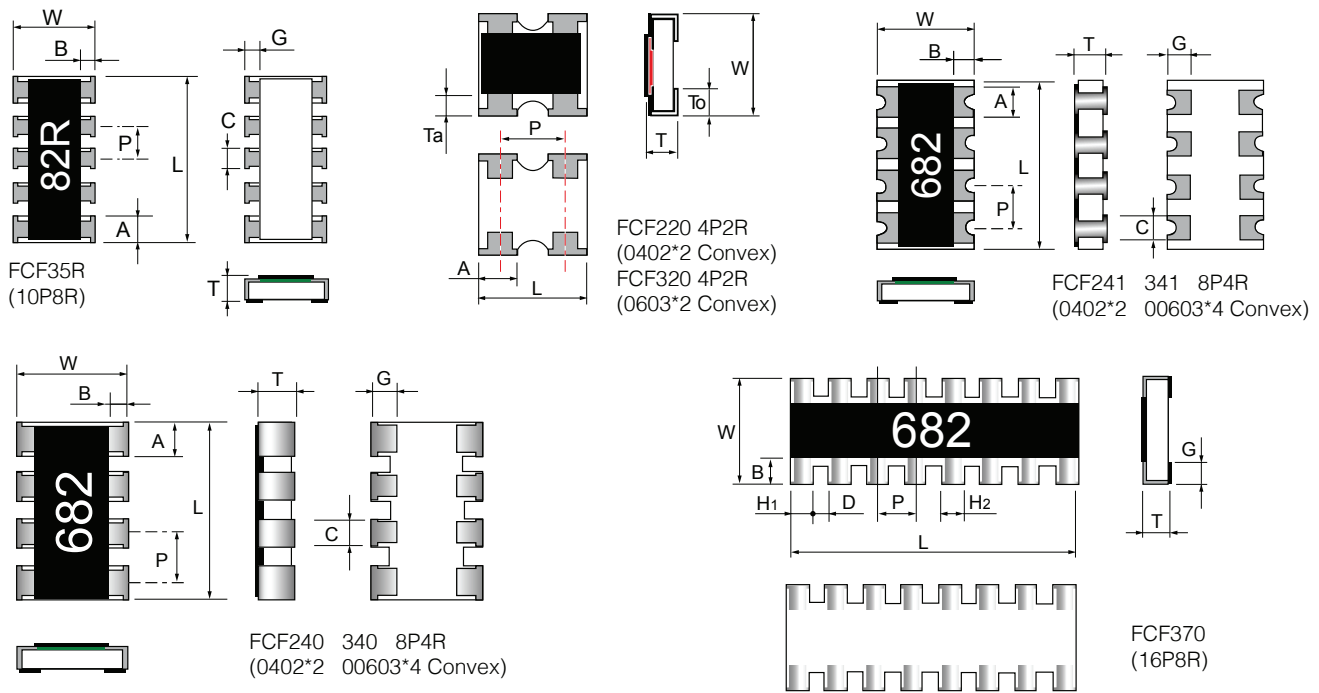
Circuit



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Configuration

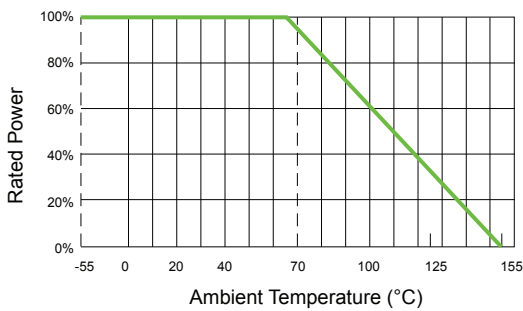


Dimension

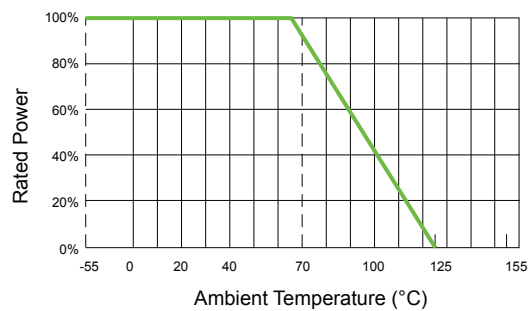
unit: mm

TYPE	L	W	T	B	G	P	C	A	h1
FCF220	1.00±0.10	1.00±0.10	0.35±0.10	0.20±0.15	0.25±0.17	0.65±0.10	-	0.34±0.10	-
FCF240	2.00±0.10	1.00±0.10	0.45±0.10	0.20±0.10	0.25±0.10	0.50±0.05	0.30±0.05	0.40±0.10	-
FCF241	2.00±0.10	1.00±0.10	0.45±0.10	0.20±0.15	0.25±0.10	0.50±0.05	0.25±0.05	0.25±0.05	-
FCF320	1.60±0.20	1.50±0.10	0.50±0.10	0.30±0.15	0.30±0.15	1.00±0.10	-	0.60±0.10	-
FCF340	3.20±0.20	1.60±0.10	0.50±0.10	0.30±0.20	0.30±0.20	0.80±0.10	0.45±0.10	0.60±0.15	-
FCF341	3.20+0.20 /-0.10	1.60+0.20 /-0.10	0.60±0.10	0.35±0.15	0.50±0.15	0.80±0.10	0.50±0.15	0.60±0.15	-
FCF35R	3.30±0.20	1.60±0.15	0.55±0.10	0.40±0.15	0.40±0.15	0.64±0.05	0.40±0.15	0.50±0.05	-
FCF370	4.00±0.20	1.60±0.15	0.45±0.10	0.30±0.25	0.30±0.20	0.50±0.20	0.30±0.10	0.40±0.20	0.20±0.10

Power Derating Curve



- Maximum dissipation in percentage of rated power as a function of the ambient temperature for FCF220, FCF240, FCF241, FCF320, FCF340, FCF341, FCF35R



- Maximum dissipation in percentage of rated power as a function of the ambient temperature for FCF370