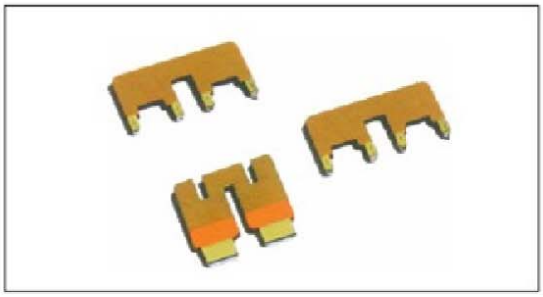
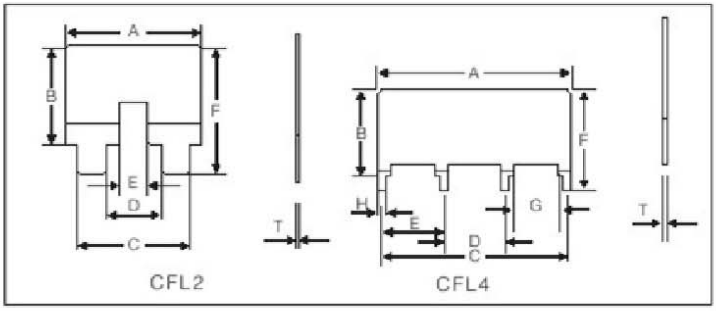
CFL(M) precision shunts

DOUBLE CIRCLE
双 环



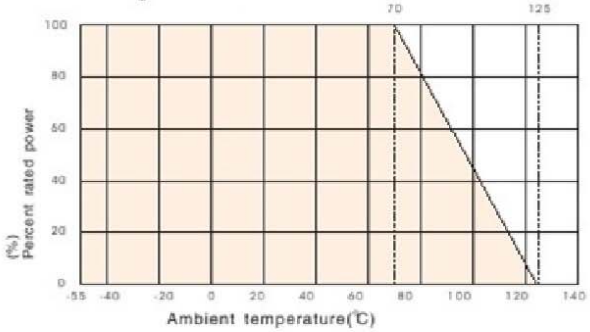
Construction



Features

- E-Beam welded construction, RoHS Compliant
- Max 55Amp continuous operating current
- Inductance less than 10nH
- 2-terminal or 4-terminal Kelvin connections

Derating Curve



Applications

- Ideally suited for Electronic KWH-meter as sampling sensing shunts
- Custom designed shunts available

Derating Curve

Type	Power rating	Resistance	Tolerance
CFL-2	max 2W	0.003Ω~0.010Ω	±1%, ±5%
CFL-4	max 5W	0.0005Ω~0.010Ω	

Reference Standards

Q/ATK047-2007

Technical Specifications

Type	A	B	C	D	E	F	G	H	T±0.05
CFL-2	15.6 ±0.10	14.0 ±0.10	13.6 ±0.10	4.0 ±0.10	1.2 ±0.10	17.0 ±0.10	/	/	0.32
	17.2 ±0.10	10.0 ±0.10	15.2 ±0.10	5.6 ±0.10	1.2 ±0.10	13.0 ±0.10	/	/	0.32
CFL-4	22.0 ±0.25	10.9 ±0.25	20.3 ±0.13	5.2 ±0.13	7.55 ±0.13	14.4 ±0.25	4.45 ±0.25	1.7 ±0.13	0.35~1.8

(CFL-M mould insulation style)

Performance

Testing Item	CFL-2	CFL-4	Test method
High Temp.Exposure	<1.0%R	<1.0%R	125℃, 1000h
Temp.Cycling	<0.5%R	<0.5%R	-55℃/125℃, 5cycles
Load life	<0.5%R	<0.5%R	70℃, A_r, 1000h
Baised Humidity	<0.5%R	<0.5%R	40℃, RH93±3%, 240h
Leaching	<0.5%R	<0.5%R	350±10℃, 2.5s

How To Order

Example

CFL	2	2W	20mΩ	±1%	±50ppm	Boxes
Type	Style	Power	Nominal Value	Tolerance	TCR	Packaging
CFL	2 4	2W 4W	20mΩ	±1% ±5%	±50ppm	Boxes