



Features

- Photo isolation
- 1500V Dielectric strength
- Insulation resistance:1000MΩ
- Printed circuit board mount
- RoHS compliant

INPUT (TA = 25°C)

Control current range	5mA to 20mA
Max. reverse protection voltage	3V
Must release current	0.4mA
Must operate current	5mA

OUTPUT (TA = 25°C)

Load current range	150mA	
Max. surge current (10ms)	0.3Apk	
Max. turn-on time	0.5ms	
Max. turn-off time	0.3ms	
Max. leakage current	1µA	
On resistance	A mode ⁽¹⁾	50Ω
	B mode ⁽¹⁾	25Ω
	C mode ⁽¹⁾	12.5Ω

GENERAL (TA = 25°C)

Dielectric strength (input to output)	1500VAC, 50Hz/60Hz, 1min
Insulation resistance	1000MΩ (at 500VDC)
Max. capacitance (input to output)	1.5pF
Vibration resistance	10 to 55 Hz 3mm DA
Shock resistance	500g
Operating temperature	-20°C to 80°C
Storage temperature	-40°C to 100°C
Ambient humidity	45% to 85% RH
Unit weight	Approx. 0.6g

Notes: (1) To see terminal wiring diagram.

DESCRIPTION

HFS2 solid state relay comes in a super-miniature package measuring (L)10.3mm x (W)6.4mm x (H)3.5mm.Low on resistance(Max.50Ω) and low-level off state leakage current.

APPLICATIONS

- Telecommunications
- Automatic meter reading
- High speed inspection machines
- Factory automation equipment

ORDERING INFORMATION

Type	HFS2 /	A	2	1	2	D	N	(XXX)
Output mode	A: Normal open (NO)							
Pins	2: 6 Pins							
Level	1: Economy							
Load voltage	0: 60V 1: 100V 2: 200V 3: 350V 4: 400V							
Mount mode	D: DIP S: SOP							
Isolation voltage	N:1500V							

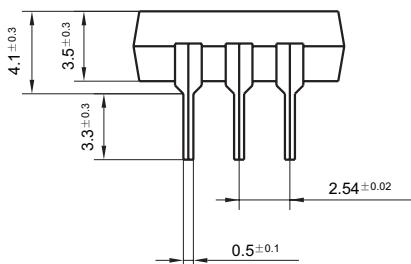
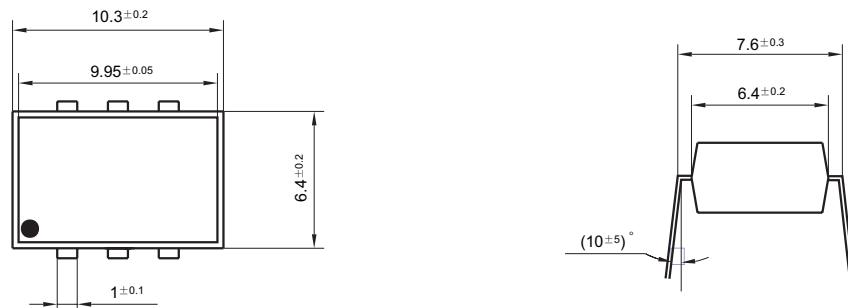
Customer special code Only for special requirements, e.g. (555) stands for RoHS compliant

Notes: HFS2 is an environmental friendly product, please mark special code (555) when order.

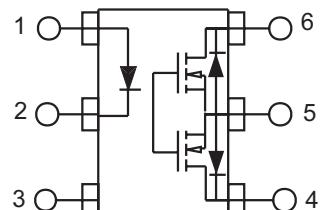
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Outline Dimensions

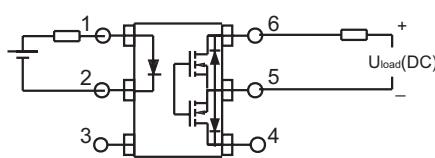


Schematics

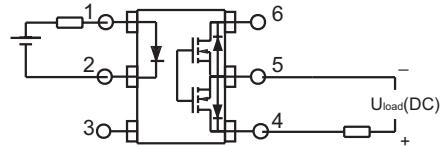


WIRING DIAGRAM

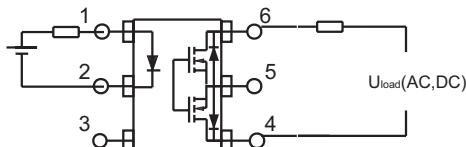
Wiring Diagram



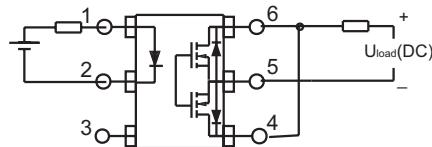
B Mode Wiring Diagram



B Mode Wiring Diagram



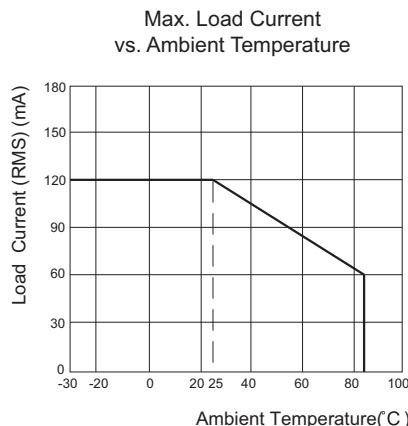
A Mode Wiring Diagram



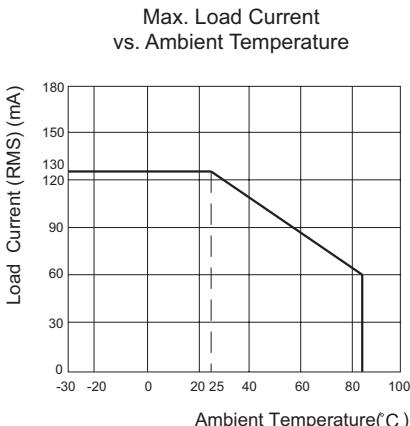
C Mode Wiring Diagram

CHARACTERISTIC CURVES

Wiring diagram A mode:



Wiring diagram B mode:



Wiring diagram C mode:

