

Solid state relays nomenclature

RD H A 7 10 NM 06 A 8 S K

Device type

- RD** = DC solid state relay
- UD** = DC solid state power controller

Radiation characterization

- H** = Rad hard
- F** = Non rad hard

Generation

- A** = Current design
- B** = Future

Radiation level

- Blank** = Non rad hard
- 3** = 300 krad(Si)
- 4** = 600 krad(Si)
- 7** = 100 krad(Si)
- 8** = 1000 krad(Si)

Current

- 01** = 1A
- 03** = 3A
- 10** = 10A
- 20** = 20A

Package type

- SE** = 8-pin surface mount
- FE** = 8-pin flange mount
- SD** = 12-pin surface mount
- FD** = 12-pin flange mount
- SF** = 5-pin surface mount
- FF** = 5-pin flange mount
- NM** = SMD-4
- FP** = 64-pin flat pack
- FT** = 20-pin flat pack

Screening level

- P** = Unscreened, 25C
Electrical test (not for qualification)
- H** = Class H per MIL-PRF-38534
- K** = Class K per MIL-PRF-38535

Features

- S** = 3.3V buffered, controlled
- F** = 3.3V buffered fast
- N** = Non buffered fast
- P** = Non buffered, controlled
- Q** = 5V buffer, immediate (compromise)
- B** = Break before make
- M** = Make before break
- U** = Unsequenced

Number of poles

- 1** = Single pole
- 2** = Double poles
- 8** = 8 poles

Throw configuration

- A** = Single throw, normally open
- B** = Single throw, normally closed
- C** = Double throw
- M** = Mixed

Voltage

- 030** = 30V
- 060** = 45V
- 10** = 100V
- 20** = 200V