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Surface Mount Fast Switching & Ultrafast Recovery Rectifiers
RS, ES, MURS, US Series, Specifications & Pricing

VISHAY

Fast Switching Rectifier
Electrical Characteristics

For Package Dimensions & Land Patterns, see page 6

Part Number	Package	I_{FAV} (A)	I_{FSM} (A)	Rev. Voltage (V)	V_{RMS} (V)	V_{DC} (V)	V_F @ I_F (V)	V_F @ I_F (A)	t_{rr} (ns)	Tj max (C)
RS1D	DO-214AC (SMA)	1	30	200	140	200	1.3	1	150	150
RS1G	DO-214AC (SMA)	1	30	400	280	400	1.3	1	150	150
RS2D	DO-214AA (SMB)	1.5	50	200	140	200	1.3	1.5	150	150
RS2G	DO-214AA (SMB)	1.5	50	400	280	400	1.3	1.5	150	150
RS3D	DO-214AB (SMC)	3	100	200	140	200	1.3	3	150	150
RS3G	DO-214AB (SMC)	3	100	400	280	400	1.3	3	150	150


SMA


SMB


SMC

Ultrafast Recovery Rectifier
Electrical Characteristics

For Package Dimensions & Land Patterns, see page 6

Part Number	Package	I_{FAV} (A)	i_{FSM} (A)	Rev. Voltage (V)	V_{RMS} (V)	V_{RWM} (V)	V_{DC} (V)	V_F @ I_F (V)	V_F @ I_F (A)	t_{rr} (ns)	Tj max (C)
ES1D	DO-214AC (SMA)	1	30	200	140		200	0.92	1	15	150
ES2D	DO-214AA (SMB)	2	50	200	140		200	0.9	2	20	150
ES2G	DO-214AA (SMB)	2	50	400	280		400	1.1	2	35	150
ES3D	DO-214AB (SMC)	3	100	200	140		200	0.9	3	20	150
ES3G	DO-214AB (SMC)	3	100	400	280		400	1.1	3	35	150
MURS120	DO-214AA (SMB)	1	40	200		200	200	0.875	1	25	175
MURS140	DO-214AA (SMB)	1	35	400		400	400	1.25	1	50	150
MURS160	DO-214AA (SMB)	1	35	600		600	600	1.25	1	50	175
MURS320	DO-214AB (SMC)	3	125	200		200	200	0.875	3	25	175
MURS340	DO-214AB (SMC)	4	125	400		400	400	1.25	3	75	150
MURS360	DO-214AB (SMC)	4	125	600		600	600	1.25	3	75	150
US1D	DO-214AC (SMA)	1	30	200	140		200	1	1	50	150
US1G	DO-214AC (SMA)	1	30	400	280		400	1	1	50	150
US1M	DO-214AC (SMA)	1	30	1000	700		1000	1.7	1	50	150