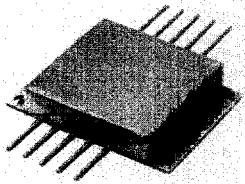
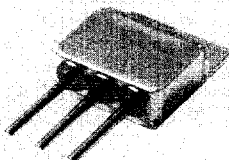


Please note that our  
4th Generation  
power MOSFETs are  
currently available in  
Europe only.

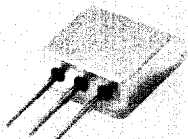
# Military-Aerospace Division PowerMOS IV™ hermetic MOSFETs



Flat pack (FN)



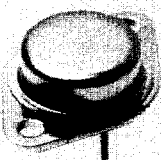
TO258 (HN)



TO254 (CN)



TO257 (GN)



TO3 (AN)

The latest and most efficient MOSFET family on the market, the PowerMOS IV™ range is in volume production at Semelab.

Wafers are fabricated at Semefab and assembled and screened in Lutterworth.

The PowerMOS IV™ series offers major advances in the control of power:

- Fast efficient switching at high voltages
- Very low inter-electrode capacitance, makes devices easier to control
- Very fast fall times, allows faster commutation and reduced heat loss
- High voltage operation
- Excellent  $R_{DS(on)}$  for high voltage types
- Rugged gate - high rupture voltage
- Extended SCSOA

Part No.	$V_{DSS}$ (V)	$R_{DS(ON)}$	$I_{D(on)}$ (A)	$P_D$ (W)	$C_{iss}$ (pF)	$Q_g$ (nC)	Package
SML10050CFN	1000	0.50	22.00	595	5560	227	F PACK
SML1001R1AN	1000	1.10	9.50	250	2460	90	TO-3
SML1001R1HN	1000	1.10	9.50	250	2460	90	TO-258
SML1001R3AN	1000	1.30	9.00	250	2460	90	TO-3
SML1001R3HN	1000	1.30	9.00	250	2460	90	TO-258
SML1002RAN	1000	2.00	6.00	198	1530	66	TO-3
SML1002RCN	1000	2.00	5.50	150	1530	66	TO-254
SML1002RCAN	1000	2.40	5.00	198	1530	66	TO-3
SML1002R4CN	1000	2.40	5.00	150	1530	66	TO-254
SML1004RCN	1000	4.00	3.60	150	805	35	TO-3
SML1004RCN	1000	4.00	3.60	125	805	35	TO-254
SML1004R2AN	1000	4.20	3.50	150	805	35	TO-3
SML1004R2CN	1000	4.20	3.50	125	805	35	TO-254
SML1004R2GN	1000	4.20	3.00	100	805	35	TO-257
SML80130CFN	800	0.35	47.00	830	11320	445	F PACK
SML8030CFN	800	0.30	29.00	595	5445	222	F PACK
SML8075AN	800	0.75	11.50	290	2410	88	TO-3
SML8075HN	800	0.75	11.50	250	2410	88	TO-258
SML8090AN	800	0.90	10.50	250	2410	88	TO-3
SML8090HN	800	0.90	10.50	250	2410	88	TO-258
SML801R2AN	800	1.20	7.00	150	1500	68	TO-3
SML801R2CN	800	1.20	7.00	150	1500	68	TO-254
SML801R4AN	800	1.40	6.50	198	1500	68	TO-3
SML801R4CN	800	1.40	6.50	150	1500	68	TO-254
SML802R4AN	800	2.40	5.00	198	790	38	TO-3
SML802R4CN	800	2.40	4.50	125	790	38	TO-254
SML802R8AN	800	2.80	4.50	198	790	38	TO-3
SML802R8CN	800	2.80	4.00	125	790	38	TO-254
SML802R8GN	800	2.80	4.00	100	790	38	TO-257
SML60170CFN	600	0.09	63.00	830	11170	440	F PACK
SML6017AFN	600	0.17	39.00	595	5420	220	F PACK
SML6040AN	600	0.40	15.50	290	2400	87	TO-3
SML6040HN	600	0.40	16.50	250	2400	87	TO-258
SML6045AN	600	0.45	14.50	290	2400	87	TO-3
SML6045HN	600	0.45	15.50	250	2400	87	TO-258
SML6060AN	600	0.60	11.50	198	1510	66	TO-3
SML6060CN	600	0.60	10.50	150	1510	66	TO-254
SML6070AN	600	0.70	10.50	198	1510	66	TO-3
SML6070CN	600	0.70	9.50	150	1510	66	TO-254
SML601R3AN	600	1.30	6.50	198	764	34	TO-3
SML601R3CN	600	1.30	6.50	125	764	34	TO-254
SML601R6AN	600	1.60	6.00	198	764	34	TO-3
SML601R6CN	600	1.60	5.50	125	764	34	TO-254
SML601R8CN	600	1.80	5.00	198	764	34	TO-257
SML50M60BFN	500	0.06	78.00	830	11176	420	F PACK