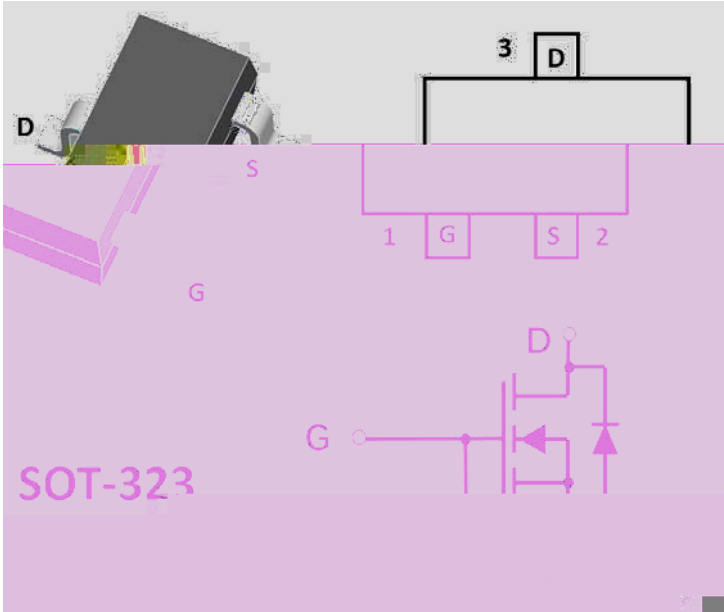


2N7002KCWQ

RoHS
COMPLIANT



DW 9 9 Ø RKP
" 56 21 DW 9 9 Ø RKP
" *DWH 6RXUFH Q6' 85DWR .9 + % 0

General Description

" 7UHQFK 3RZHU 09 026)(7 WHFKQRORJ\
" 9ROWDJH FRQWUROOHG VPDOO VLJQDO \
" /RZ LQSXW &DSDFLWDQFH
")DVW 6ZLWFKLQJ 6SHHG
" /RZ ,QSXW 2XWSXW /HDNDJH
" 3DUW QR ZLWKH\XQVL\$(34 4 TXDOLILHG

Applications

" %DWWHU\ RSHUDWHG V\VWHPV
" 6ROLG VWDWH UHOD\V
" 'LUHFW ORJLF 077/H002QWHUIDFH

vAbsolute Maximum Ratings 7 XQOHVV RWKHUZZLVH QRWHG

Parameter		Symbol	Limit	Unit
'UDLQ VRXUFH 9ROWDJH		9 ₆		9
*DWH VRXUFH 9ROWDJH		* ₆	9 "	9
'UDLQ &XUUHQW	7 _{\$} - # 6WHDG\ 6WDWH	'		P\$
	7 _{\$} - # 6WHDG\ 6WDWH			
3XOVHG 'UDLQ &XUUHQW		' ₀		
7RWDO 3RZHU 'LVVLSDWLRQ # 7		3 ₇		P:
7KHUPDO 5HVLVWDQFH -XQFWLRQ %WR \$PELHQW # 6WHDG\ 6WDWH				5 - :
-XQFWLRQ DQG 6WRUDJH 7HPSHUDWXUH 5DQJH - 77*			7	-

vOrdering Information ([DP SOH

PREFERED P/N	PACKING CODE	Marking	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1 .& : 4	)	.&				3 UHHO



2N7002KCWQ

vElectrical Characteristics 7 X Q O H V V R W K H U Z L V H Q R W H G

Parameter	Symbol	Conditions	Min	Typ	Max	Units
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2N7002KCWQ

■ Typical Performance Characteristics

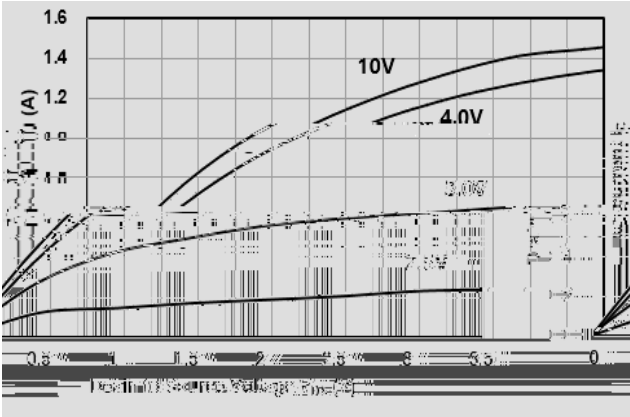


Figure 1. Typical Transfer Characteristics (ID vs. VGS) for the 2N7002KCWQ MOSFET

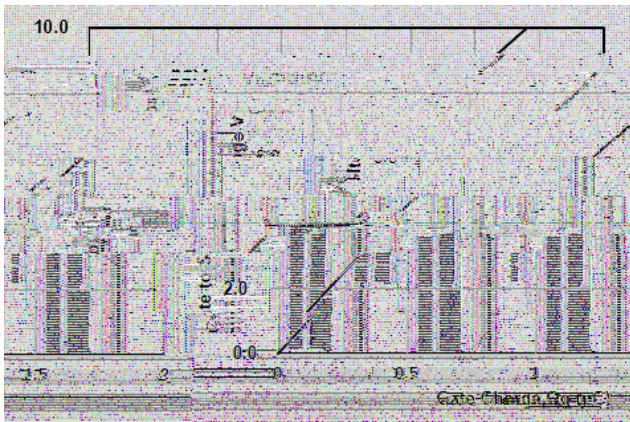
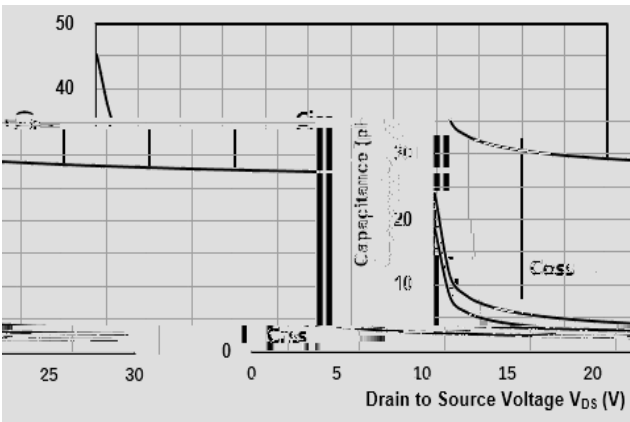


Figure 2. Typical Switching Characteristics (Qg vs. ID) for the 2N7002KCWQ MOSFET

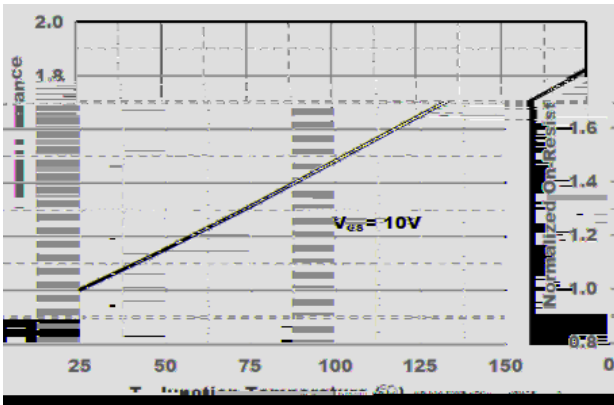
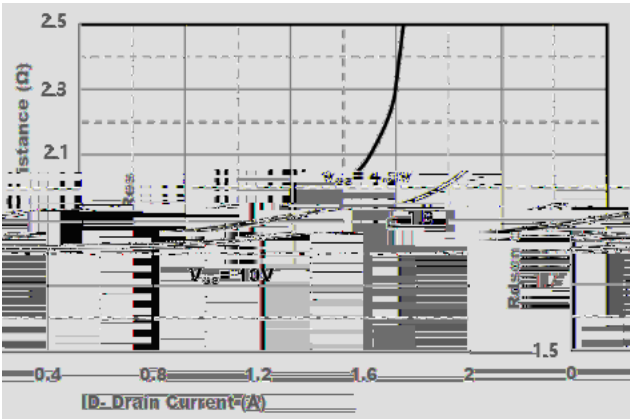


Figure 3. Typical On-State Resistance (RDS(on) vs. ID) for the 2N7002KCWQ MOSFET

J X U H

J X U H



2N7002KCWQ

Disclaimer

7KH LQIRUPDWLRQ SURYHQLHQW LV IRXVLVHDIHQJHQRK<RQJMLH (OHFWURQLF 7HFKQRO
ULJKW WR PDNH F'JHLVHZILWUKRXXH QSWHLSURDQXIRVQ FGLWSOD\HG KHUHLQ WURGLPSLURY
RU RWKHUZZLVH

7KH SURGXFW OLVWJQHGHWRILEQLXWBGVZHLW\KIDWURQERWL YGHVLJQHG IRU XVH LQ PHG
VDYLQJ OLIHVXVWBDQJQLHRURUpOHIDQH DQVXPHZHQK UHVLSEQOLEWLRW\DRQWGQPDUR
P VXFK LPSURSHU XVH RI VDOH

7KLV SXEOLFDWLRQ ISODSHUW IDGJVLQURU#ADWKISF QLSHGHYIRU<DGLRLQ LRO HDO\H QHVRULPW RX
KWV [VZZ](#) \DQJMLHRP `€ðp0\RXU QHIDUHDVH VDRQJMLHVURWDQJWKHU D