

e tronix

a stromberg company

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E-TRONIX.COM



& \EHU 2GSWF EFWR SWLFLV FRP
& \EHU 2S WULF WUDWLRQ LV D
OHDGLOJ JOREDQ GHYHOR \$H (-6)LYU\$3\$;20-/\$)(\$4>"+,(4\$6".4-.)(\$5&,"6"&:"\$>2.4""+(\$
PDQXIDFWXUISUHFHFKLRQ -\$E-(4'6\$4",2?8\$X&:"\$)\$\$&+2&/\$2(("&4'.4\$:"\$A'.6>2&O\$6)44'&(\$2,\$
VHQVLOJ WHFKQRORJ VROXWLRQV & \EHU 2S WULF WUDWLRQ LV D
VXUIDFH PRXQW WHFKQRORJ 607 DQG 2V4R'L)(\$6&F8X&W)F#5#-P.#J.L.N.H\$W>\$2.92.8'."(\$"4>\$5&:"(3
VLJQLILFDQW\ LPSURYH \LHOGV DQG SURG(X'FV\$)& W

\$ 60 VVHPEO\ 6\ VWHPV • 3ULQWLOJ /6306 V81\$QVO SPVLXWVKHRPRUOG • V ODUJ
'LYLVLRQ LV WKH PDUNHW DHPDLO 3UHVXVHU OROGLOJ 6ROXWLRQV SURYL
'(. EUDQG SULQWLQJ WHFKQRORJ LHOHHUHG WR HQFDVXQDWH FRDW
7KH '(UDQJH RI SURGXFW DQG VHUFLHV LOFOXGHVYVFWLFDQ ERPSRQHOV ZLWK D OR
SULQWLQJ HTXLSPHQW SODWIRUPV VWHQF SURYLGUHFVYVFWLFDQ ERPSRQHOV ZLWK D OR
VXSSRUW SURGXFW VHG IRU D YDULHW HOHFWRURORJHV VWHQFURFHV VHV PPFK OHVV
VHPLFRQGXFWRU SDFNDJLQJ DQG DOWHUQDWLYH LOHUV DSSOLFDFWLRQV QR KRXLQJ DQG
VHFRQGV \$

M6@H?.G46@H?)H?Q\$2\$6":5+4'STQ\$ +!MV.G06F4/P.OP)H?OI. -(SQ'(6"\$
T")4-."(\$5&"9-,'&\$":&-/'\$STQ\$6".4&"+\$2,\$ a.)(4&-('7\$T\$6-2+4?SVM"+(\$-9(-'8\$*SWQP\$
"4>&\$5&"),64(\$:"&\$4>'+64&"-6(\$5&"),64-."\$-.)(\$4&?8\$%&")64(\$4>24\$Q'(6"\$ -(\$2:")(\$:"&\$-4(\$->/>\$5&":&2.6\$+-\$:"\$
:2.):264)&(\$-6+),#&-(\$4&25(7\$:"4\$&")&(\$7\$;24(7\$(>-'+'\$A2/(7\$Z-(->\$4?5'Z\$+<-)-(\$-5'(&\$5)5(\$2,\$A"44+'(8\$*\$SWQ^(\$5&"),64\$:+""&\$-(->7\$-.-C24-."7\$#&O(424-."4"&(\$2,\$4'(4\$<)-5'.48\$Q'(6"\$:":&-/'\$."#-\$6+),(\$5&")64(\$O)6>\$2(\$+'&-/'\$2-.(7\$K6)-4&26&(7\$K2A+\$
>2(\$US\$2.):264)&-/'\$+&"624-."(\$-4>)\$HTP8 *2.2/'&7\$STQ\$B'&O(424-)."SG&2-C'(\$7\$TQ\$26)(\$2,\$6"&8
'HVSDWFK ,QGA VSWWR RD VFRP +#V./8?O/83?F.3FH).GOB//:8?O/83?F)H?OI.
VSHFLDOLJHG LQ WKHUPDO SURFHVV LQJ IRU RYHU 58"9-."(\$2\$6":5+4\$+-\$:"\$92&-")(\$2)4":24,\$
'HDUV DQG PDQXIDFWXUHV EDWFK DQG ("+'&-.'7\$-(-.'7\$2,\$2(("A+'\$4'6">"+3

FRQWLQRRXV SURFHVV RYHQV 3URGXFW LQFOXGH ODERUDWRU'(\$6DELO\$AW- SWU'X'FQ56 Q624-).(8\$
FOHDQ URRP VWHULOLJLQJ EXUQ LQ FXULQJ GULQJ ILULQJ SEQHDQLOLQJ DSSOLDFWLRQV (\$
WUHDWLQJ RYHQV &*VK.W2?P.GFH/152?P)H?OI\$-(2\$+2-./%K[\$
&")6&7\$(55+?-/92&-")(\$-.)(\$4&?\$(/';4(\$
#-4>\$"9&\$yB7MMM7MMMS%K["2&,\$2.)2++78\$B-4>
FHVW'X'Q24-."(\$-4>-&4".6")4&-(\$:"&\$
58"9-."(\$2\$6":5+4\$+-\$:"\$92&-")(\$2)4":24,\$
("+'&-.'7\$-(-.'7\$2,\$2(("A+'\$4'6">"+3

*UHDW /DNHV (QJLQHHLQJ
JUHDWODNHVWLOJ WHFKQRORJ VHWLQJ PDQXIDFWXUHU RI VXUIDFH VWHQFURFHV DQG
VWHQFURFHV SUHFLVLRQ ODVHU FXW SDUW SKRWR&FKHRLFDQ PDQXIDFWXUHU DQG
HOHFWRURORJ VHWLQJ PDQXIDFWXUHU RI VXUIDFH VWHQFURFHV DQG
DYLDWLRQ HQHUJ\ WHOFRPPXQLFDWLRQV DQG FRPSXWHU LQWHUFRQWHU
'DNHV (QJLQHHLQJ LV 62 FHUWLILHG DQ 7\$5 UHJLVWUHG
FRPSDQ\ DQG D GLVWULEXWRU IRU +HQNH (OHFWURFV
4-7\$R'47\$74/2/7\$T>-5'.47\$a.(42++24-."7\$*2-4'.2.6'7\$@5+26":.47\$
X'&\$"9&\$YM\$?20(\$B?GL/BB?@/H?OI \$>2(\$2,\$@52-&\$G)&\$5&"),64(\$-6+),\$A'E(\$2,\$6".42-&(\$7\$:"2'7\$(>-'+'\$
A'&\$5&")6-/'\$O)5&-"&\$<)2+-4?\$(+"&-/'\$2,\$:A2/(7\$2.4-(424-6\$425'7\$+2,\$6>-5\$62&--&(\$7\$O-44-./\$4&2?(7\$2,\$2.2?4>'
'+'&-/'\$4\$""+(7\$>"4\$2-&\$&#&O\$424-."(7\$:("O\$2,\$):\$E4&264-."(\$?(4):(7\$4'6>-.62+\$
4&2-.-/'\$6+2(("7\$2,\$2\$#-'\$2(("&4'.4\$:"\$

266'(("&-/'(\$2,\$&'+24'\$<-)5'.4\$:"&\$4>'+64&"-6(7\$-.)(\$4&2+2\$,\$
>"AA?-\$-.)(\$4&-'(8\$Z@'+-2A+-4?7\$Z'(4\$2+)7\$2,\$ZSE6'++.4\$T&9-6'Z
Q6FB6ER@GHQNH O DGHVLYHV IRP
'2-./\$A&2.(\$:"\$S'&(".\$1\$K):-.7\$=?("7\$
!"64-4'7\$V'6>."+'4\$2,\$\$)+4-6"&\$>29\$+\$/A'\$.
&'6"/3-C'2(\$4>\$5&")64\$A&2.(\$4'\$4&8)(4\$:"&\$
5&-4'\$6-6)-4\$A"2,\$2(("A+'\$255+-624-."(8\$
'O'+^(\$2.92.6'\$&:"&)+24-."(\$:'&)\$2E-):\$
S UR 2A-V-4?2,\$&'+-2A+\$-3-+'\$5&:"&2.6'8

GB?O/J:@/H?OI\$B-4>\$<)2+-4?2\$,":-6-.6'7\$
&'<-&/'\$4(\$A'6):-/'\$9&\$4")/>&\$2,\$
6":5".4\$:-.24)&-C24-."\$9&\$:"&\$
6":7\$4>\$-.)(\$4&?-\$A'-/'\$5)(>'-4"\$2)4":24-./\$2.-6&2(-/'\$
)A'&\$:"\$5&"6'(((\$8\$D":2E\$:"&(\$2\$6":5& '>(-'9&2./'\$:"\$#&-\$ 5&"6'((3
-./\$26>-/'(\$4\$:"\$4\$4>\$>2,\$(:"\$:"&#&-\$ 5&"6'((-/8

60 VVHPEO\ 6\ VWHPV • PDUN
OHDGLOJ SUBY3618U0007
3ODFHPHQW 6\ VWHPV SURGX
]DWLRQ VRIWZDUH DQG SURFHVV H[SHUWLHV
FROILJXUDEOHVWR EBWGX RI YHU\ KLJK YROXPH
ORZ YROXPH PDQXIDFWXULQJ 7RGD V 6,3/4
LQRYDWLRQV DQG FDSDELOLW\ WR DFFHOUDV
DGD\$W WR VFKHG\$OH FDSDFLW\ FKDQJHV DQG
4XDOLW\ OHYHO

6 WDS DZ VWDSODXOW USDOR OIHFDG IH B
LQ XOWUDVRLQF PHWDO ZHOGLQ
RIIHUV VSR ZHOGHUV ZLHU VS
HOJLQHHLQJ DQG VXSSRUW VHU
VHJPHQW LQFOXGLQJ DXWRPRWL
EDWWHU\ HOHFWRURFV VRODU
78?F6+?F8/3F.??E.G@8?F6.O?F8/3F8??E.
)H?OI.'(-.(\$2,\$A)-+(\$-'&:"&\$
(")4-."(7\$6&24-./\$6)(4'\$4\$""+(4\$>24\$E6"\$
\$4>\$
42.(\$)4\$2(\$:"\$:"\$4>\$
4>\$"9&\$cMS?2&(\$-)\$55+?-/4\$""+-\$:"\$&\$4>\$
4>\$"9&\$cMS?2&(\$-)\$55+?-/4\$""+-\$:"\$&\$4>\$
4>\$"9&\$cMS?2&(\$-)\$55+?-/4\$""+-\$:"\$&\$4>\$
4>\$"9&\$cMS?2&(\$-)\$55+?-/4\$""+-\$:"\$&\$4>\$

. \]HQ KWWS ZZZV.NH.HQOERP V LQ
SUHFLVLRQ FOHDQLOJ FKHP LQWHUFRQWHU
DGYDQFHG SDFNDJLQJ PHW DQ &(\$1-Q4>\$K)(4&7\$2Q6-4>\$"9&\$cMS?2&(\$-)\$55+?-/4\$""+-\$:"\$&\$4>\$
DHURVDFH DSSOLFDFWLRQV \]HQ V LQGXVWU'44&H(62)264)V'\$.DQ67\$B\$64D'VA26(/&).\$2,\$E5&-3
FXVWRPHU VXSSRUW SURYLGH LQWHJUDWHG FOSH DQ \$5&9-52&F'4V'4\$R'4\$WLR'5&A+WK DW PHHW
DQ\ FOHDQLOJ FKDOOHQJH



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