## **h8fg r]sln:6 – ;f}o{ u|L8–hl8t k|0ffnL**

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| --- |
| ldltM ***[ldlt pNn]v ug{'xf];\ . ]***………………………………………………..……….………  kl/of]hgfsf] gfdM ***[kl/of]hgfsf] gfd pNn]v ug{'xf];\ . ]***…………………………….….……..  kl/of]hgf 7]ufgf: ***[kl/of]hgfsf] 7]ufgf gfd pNn]v ug{'xf];\ . ]***…………………………………  k|b]zM ***[k|b]zsf] gfd pNn]v ug{'xf];\ . ]***……………………………………………………….. |

# s= k|0ffnLsf] r]shfFr ug{'cl3

|  |  |
| --- | --- |
| != | ljB't;Fu sfd ubf{ plrt ;'/Iff k|lqmof / pks/0f k|of]u ug{'xf];\ . |
| @= | ;a} l8:sg]S6/x¿df r]tfjgL ;+s]t /x]sf] / aGb (off) ul/Psf] k'li6 ug{'xf];\ . o;n] /fd|f];Fu kl/If0f gu/];Dd nfOgdf kfj/ cfpg g;Sg] ;'lglZrt u5{ / r]tfjgL ;+s]tn] aS;df nfOe sG8S6/x? x'g ;Sg] eg]/ c?nfO{ r]tfjgL lbG5 . |

# v= lkle P/]

|  |  |
| --- | --- |
| != | ;a} df]8\o"nx¿ dfplG6ª a|fs]6x¿df ;'/lIft ¿kdf ;+nUg 5 jf 5}g ;'lglZrt ug{'xf];\ . |
| @= | df]8\o"nx¿ / h+Szg aS;x¿df s]lx Iflt ePsf] jf tf/x¿ v's'nf] ePsf] lgl/If0f ug{'xf];\ . |
| #= | ;a} df]8\o"nx¿sf] sg]S6/x? 6fO6 5g\ ls 5}gg\ hfFr ug{'xf];\ . |
| $= | k|To]s Combiner box vf]Ng'xf];\ / ;lx ef]N6]h hfFr u/]/ k|To]s l;l/h :6«Lªdf v'nf ;ls{6 ef]N6]h (Open Circuit Voltage) k/LIf0f ug{'xf];\ . ;a} DC 6ld{gnx¿df 6s{ k'gM hfFr ug{'xf];\ . |
| %= | k|0ffnLnfO{ kfj/ ck ug{' cl3, clGtd P/] a|]s]/x?df, ;lx ef]N6]h / sg]S;g l7s /x]sf] hfFr u/]/ v'nf ;ls{6 ef]N6]h kl/If0fx¿ bf]xf]of{pg';\ . |
| ^= | df]8\o"nx¿ u|fp08 ul/Psf] sG8S6/nfO{ cj/f]w gu/L df]8\o"nsf tf/x? x6fpg ;lsG5 eg]/ hfFr ug{'xf];\ . |
| &= | df]8\o"nx¿df n]jnx¿sf] nflu hfFr ug{'xf];\ .  ædf]8\o"nx¿sf] 6ld{gn jf ln8x¿df +/- lrGx nufOPsf] x'g'kb{5 . df]8\o"nx¿\sf] l:6s/df ;'/Iffsf] nflu clwstd cf]e/ s/]G6 pks/0f d"Nof+sg / !\_ v'nf ;ls{6 ef]N6]h (Open Circuit Voltage) @\_ ck/]l6ª ef]N6]h #\_ clwstd ef]N6]h $\_ ck/]l6ª s/]G6 %\_ ;6{ ;ls{6 s/]G6 ^\_ clwstd kfj/ n]lvPsf] x'g'kb{5 ." |
| \*= | Kofgn ;kmf ug{sf nflu rflxg] ;fdu|Lx? h:t}M – kfgL , kfOk cflbsf] k|fjwfg / Joj:yf 5jf 5}g ;'lglZrt ug{'xf];\ . |

# u= jfol/ª

|  |  |
| --- | --- |
| != | P/]df h8fg ePsf tf/x/sf] ;xL /]l6ª, UV–;+/lIft OG;'n]zg / gfËf] 5 jf 5}g To;sf] hfFr ug{'xf];\ . |
| @= | ;a} tf/x¿ / sG8\o{'6x? plrt ¿kdf /]l6ª ul/Psf], ;kmf / /fd|f];Fu h8fg ePsf 5g\ jf 5}gg\ hfFr ug{'xf];\ . |
| #= | :6«]g l/lnkmx¿÷s]an SNofDkx¿ ;a} tf/x¿df ;xL ?kdf h8fg ul/Psf] 5 eg]/ hfFr ug{ tf/x¿ xNsf tfg]/ hfFr ug{'xf];\ . |
| $= | ;a} pks/0fx¿sf] u|fpl08ª‌ s08S6/x¿ xl/of] jf gfËf] tfdfsf] kftf /x]sf] ;'lglZrt ug{'xf];\ . |
| %= | lk=le= ;ls{6sf] sG8S6/ /]l6ª slDtdf /]6]8 ;6{ ;ls{6 s/]G6sf] !%^Ü k|ltzt 5 elg hfFr ug{'xf];\ . |
| ^= | ;a} h+Szg aS;x¿ kx'Frof]Uo 5g\ elg hfFr ug{'xf];\ . |

# 3= cf]e/ s/]G6 ;'/Iff

|  |  |
| --- | --- |
| != | lk=le= ;ls{6sf] cf]e/ s/]G6 pks/0f /]l6ª slDtdf /]6]8 ;6{ ;ls{6 s/]G6sf] !%^Ü k|ltzt 5 elg hfFr ug{'xf]; . |
| @= | l8=l; ef]N6]h / s/]G6 /]l6ªx? cf]e/ s/]G6 ;'/Iffdf :ki6 ¿kdf pNn]v ul/Psf] 5 jf 5}g hfFr ug{'xf];\ . |

#### ª= lu|8–hl8t OGe6{/x¿

|  |  |
| --- | --- |
| != | l8:sg]S6/x¿ v'nf x'Fbf, k|f/lDes h8fg kl5 v's'nf] x'g ;Sg] s'g} klg h8fgx¿ s:g OGe6{/sf ;a} 6ld{gnx¿nfO{ k'gM s:g'xf];\\ . |
| @= | ;fO6df Go'gtd tfkqmd x'Fbf P/]sf] cf]kg–;ls{6 ef]N6]h OGe6{/nfO{ :jLsfo{ 5 ls 5}g OGe6{/ Dofg'cndf k'li6 ug{'xf];\ . |
| #= | ljWo'tsf] nfOg ef]N6]h OGe6{/sf] ef]N6]h ;xglzntf leq k5{ ls kb}{g elg hfFr ug{'xf];\ . |
| $= | olb OGe6{/n] l8:Kn]df P;L ef]N6]h b]vfpF5 eg], of] ef]N6]h AC ef]N6ld6/sf] dfkg;Fu ldN5 elg k|dfl0ft ug{'xf];\ . |
| %= | OGe6{/ rfn' ePkl5 jf ;~rfngdf cfPkl5, clwstd kfj/ kf]OG6 6«flsª -MPPT\_ ;+~rfng eO/x]sf] af/] hfFr ug{'xf];\ . P/] ef]N6]h cg'udg ubf{ ha;Dd of] k|0ffnLsf] kfj/ clwstd laGb'df k'U5 / To;kl5 lj:tf/} 36\g yfN5 Tof] a]nf ;Dd hfFr ug{'xf];\ . of] ;Dej eP;Dd v'nf cfsfz ePsf] cj:yfdf ug{'kb{5 . k|0ffnLsf] ef]N6]h w]/}k6s tn / dfyL eO{ ;dfof]hg geOGh]n;Dd ef]N6]hsf] cg'udg ul//xg'xf];\ . |
| ^= | k/LIf0fsf] cj:yfsf] nflu ck/]l6ª ef]N6]h ck]lIft clwstd kfj/ ef]N6]hsf] glhs 5 eg]/ hfFr ug{'xf];\ . of] s'/f w]/}h;f] pTkfbsx?sf] Dofg'cndf n]lvPsf] kfOG5 . |
| &= | Aof6«L ef]N6]hnfO{ lgoGq0f ug{ tfkdfg k|f]anfO{ /fd|/L h8fg ul/Psf] 5 eg]/ hfFr ug{'xf];\ . |
| \*= | pTkfbssf] Dofg'cnaf6 OGe6{/ ;+rfng / ;'? ug]{ k|lqmof ckgfpg'xf];\ . |
| (= | OGe6/ km]n ePdf s] ug]{ eg]/ ck/]6/nfO{ lgb]{zg lbg'xf];\ / :6f6{–ck k/LIf0f ul/Psf] l/kf]6{ k|bfg ug{'xf];\ . |

#### r= u|fpl08ª

|  |  |
| --- | --- |
| != | l8=l; ;ls{6x?df Pp6f / P=l;= ;ls{6x¿df Pp6f u|fp08 h8fg -u|fp08 sG8S6/b]lv u|fpl08ª sG8S6/\_ Pp6} ljGb'df hf]l8Psf] k|0ffnL u|fpl08ªsf] nflu k|of]u eO/x]sf] 5 elg hfFr ug{'xf];\ . |
| @= | pks/0f u|fpl08ª sG8S6/x? / k|0ffnL u|fpl08ª sG8S6/x? hldgdf ;Dej eP;Dd 5f]6f] b'l/df 5 eg]/ hfFr ug{'xf];\ . |
| #= | s/]G6 gaUg] efux¿ l7s;+u u|fp08 ul/Psf] 5 eg]/ hfFr ug{'xf];\ . -P/] k|m]dx¿, aS;x? cflb\_ . |
| $= | cfjZos k|0ffnLx¿df u|fp08 kmN6 ;'/Iff ;dfj]z ug{'xf];\ . |
| %= | u|fpl08ª k|0ffnLsf] hldgdf k|lt/f]w hfFr ug{'xf];\ . |
| ^= | pks/0f u|fpl08ª sG8S6/ xl/of] jf gfª\uf] tf/ xf] / ;lx cfsf/sf] 5 elg hfFr ug{'xf];\ . |

#### 5= ld6l/ª / kfj/ lgsf;L

|  |  |
| --- | --- |
| != | ljB't ljt/0fdf k|of]u x'g] ljB'tLo ld6/x¿ -Oglh{ ld6/x¿\_ ;'/lIft?kdf sDkgLsf] dfkb08 cg';f/ h8fg eP gePsf] 5 elg hfFr ug{'xf];\ . |
| @= | AC sDafOg/ aS;af6 lu|8 h8fg laGb';Ddsf ;a} tf/x¿ ;'/lIft ¿kdf h8fg, tf/sf] lg/Gt/tfsf] kl/If0f / ;'/lIft ¿kdf ?6 ul/Psf] jf gul/Psf] af/] hfFr ug{'xf];\ . |
| #= | ;a} lgoGq0f -;'/Iff\_ pks/0fx? h:t} s/]G6 6«fG;kmd{/ / kf]6]lG;on 6«fG;kmd{/x¿ ;'/lIft ¿kdf h8fg ul/Psf] jf gul/Psf] af/] hfFr ug{'xf];\ . |
| $= | l/df]6 dlg6l/Ësf] h8fg -olb /flvPsf] 5 eg]\_, To;nfO{ ;fO6df hfFr / dfkgnfO{ ul/ c? pks/0f / dfkg ;Fu bfFh]/ hfFr ug{'xf];\ . |

#### h= ;'/Iff

|  |  |
| --- | --- |
| != | ;a} ˆo"h jf ;ls{6 a|]s/nfO{ n]jn ug{'xf];\ . |
| @= | pks/0fsf] k|j]zåf/df ;fOgaf]8{ /fVg'xf];\ h;n] kfj/ >f]t lsl;dsf] hfgsf/L lbG5 . |
| #= | kfj/ sG6«f]n ?ddf …w"d|kfg lgif]wÚ lrGx /fVg'xf];\ . |
| $= | PV k|0ffnL ljR5]b ljGb'df lrGx /fVg'xf];\ h;df ck/]l6ª s/]G6, ck/]l6ª ef]N6]h, clwstd k|0ffnL ef]N6]h / ;6{ ;ls{6 s/]G6 n]lvPsf] 5 . |
| %= | glhs}sf] leQfdf jf ;lhn} b]lvg] 7fpFdf, n]ldg]6 ul/Psf] ck/]l6ª sfo{ljlw /fVg'xf];\ tfls ;a}n] ;lhn} ljj/0fx¿ b]Vg ;s'g\ . |
| ^= | kfj/ sG6«f]n ¿kdf clUg lgoGq0f oGq /fVg'xf];\ . |